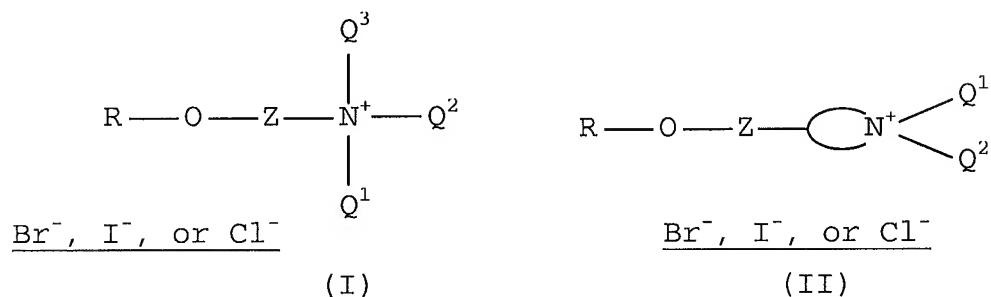


Attorney Docket No.: **R00006US.NP**  
Inventors: **Sheu et al.**  
Serial No.: **10/580,803**  
Filing Date: **November 24, 2006**  
Page 2

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (currently amended): A compound comprising having the structural formula (I) or (II)



wherein for both formula (I) and formula (II)

R is (i) an amino acid or amino acid derivative group having antioxidant activity, or  
(ii) a peptide group, wherein said peptide group is two or more amino acids or amino acid derivatives, and has antioxidant activity glutamyl, cysteinyl, N-acetyl-cysteinyl, glycyl, 2,2-dialkylthiazolidine-4-carboxylic acid, L-γ-glutamylcysteinyl, L-γ-glutamylglycyl, L-cysteinylglycyl, L-γ-glutamyl-L-cysteinylglycyl, β-alanyl-L-histidyl, L-carnitine, or acetyl-L-carnitine;

Z is (i)  $-Z^1-Z^2-$ ,  
(ii)  $-Z^1-O-Z^2-$ ,  
(iii)  $-Z^1-S-Z^2-$ ,  
(iv)  $-Z^1-N(H)-Z^2-$ ,

Attorney Docket No.: **RO0006US.NP**  
Inventors: **Sheu et al.**  
Serial No.: **10/580,803**  
Filing Date: **November 24, 2006**  
Page 3

(v)  $-Z^1-CO-N(H)-Z^2-$ , or

(vi)  $-Z^1-N(H)-CO-Z^2-$ ,

wherein  $Z^1$  is an aliphatic or non-aliphatic C1 to C10 hydrocarbon group; a single, fused or multi-ring aromatic group; or an aliphatic or non-aromatic cyclic group; and

$Z^2$  is an aliphatic or non-aliphatic C1 to C10 hydrocarbon group; a single, fused or multi-ring aromatic group; or an aliphatic or non-aromatic cyclic group; and

$Q^1$ ,  $Q^2$ , and  $Q^3$  are independently aliphatic C1 to C5 hydrocarbon groups, or  $Q^2$  and  $Q^3$  together form an aliphatic N-heterocycle group;

wherein for formula (II), the N-heterocycle group possesses a quaternary nitrogen and  $Q^2$  is optional.

Claims 2-11 (canceled).

Claim 12 (original): The compound according to claim 1 wherein the compound is in the form of a pharmaceutically acceptable salt.

Claim 13 (canceled).

Claim 14 (currently amended): The compound according to ~~claim 13~~ claim 1 wherein  $Z^1$  is a direct link and  $Z^2$  is an aliphatic or non-aliphatic C1 to C10 hydrocarbon group.

Attorney Docket No.: **RO0006US.NP**  
Inventors: **Sheu et al.**  
Serial No.: **10/580,803**  
Filing Date: **November 24, 2006**  
Page 4

Claim 15 (currently amended): The compound according to  
~~claim 13~~ claim 1 wherein  $Z^1$  is a direct link and  $Z^2$  is a single, fused or multi-ring aromatic group.

Claim 16 (currently amended): The compound according to  
~~claim 13~~ claim 1 wherein  $Z^1$  is a direct link and  $Z^2$  is an aliphatic or non-aromatic cyclic group.

Claim 17 (currently amended): The compound according to  
~~claim 13~~ claim 1 wherein  $Z^1$  is an aliphatic or non-aliphatic C1 to C10 hydrocarbon group and  $Z^2$  is an aliphatic or non-aliphatic C1 to C10 hydrocarbon group.

Claim 18 (currently amended): The compound according to  
~~claim 13~~ claim 1 wherein  $Z^1$  is an aliphatic or non-aliphatic C1 to C10 hydrocarbon group and  $Z^2$  is a single, fused or multi-ring aromatic group.

Claim 19 (currently amended): The compound according to  
~~claim 13~~ claim 1 wherein  $Z^1$  is an aliphatic or non-aliphatic C1 to C10 hydrocarbon group and  $Z^2$  is an aliphatic or non-aromatic cyclic group.

Claim 20 (currently amended): The compound according to  
~~claim 13~~ claim 1 wherein  $Z^1$  is a single, fused or multi-ring aromatic group and  $Z^2$  is an aliphatic or non-aliphatic C1 to C10 hydrocarbon group.

Attorney Docket No.: **RO0006US.NP**  
Inventors: **Sheu et al.**  
Serial No.: **10/580,803**  
Filing Date: **November 24, 2006**  
Page 5

Claim 21 (currently amended): The compound according to  
~~claim 13~~ claim 1 wherein  $Z^1$  is a single, fused or multi-ring aromatic group and  $Z^2$  is a single, fused or multi-ring aromatic group.

Claim 22 (currently amended): The compound according to  
~~claim 13~~ claim 1 wherein  $Z^1$  is a single, fused or multi-ring aromatic group and  $Z^2$  is an aliphatic or non-aromatic cyclic group.

Claim 23 (currently amended): The compound according to  
~~claim 13~~ claim 1 wherein  $Z^1$  is an aliphatic or non-aromatic cyclic group and  $Z^2$  is an aliphatic or non-aliphatic C1 to C10 hydrocarbon group.

Claim 24 (currently amended): The compound according to  
~~claim 13~~ claim 1 wherein  $Z^1$  is an aliphatic or non-aromatic cyclic group and  $Z^2$  is a single, fused or multi-ring aromatic group.

Claim 25 (currently amended): The compound according to  
~~claim 13~~ claim 1 wherein  $Z^1$  is an aliphatic or non-aromatic cyclic group and  $Z^2$  is an aliphatic or non-aliphatic cyclic group.

Claim 26 (original): The compound according to claim 1 having a structure according to formula (I).

Attorney Docket No.: **R00006US.NP**  
Inventors: **Sheu et al.**  
Serial No.: **10/580,803**  
Filing Date: **November 24, 2006**  
Page 6

Claim 27 (previously presented): The compound according to claim 26 wherein Q<sup>1</sup>, Q<sup>2</sup>, and Q<sup>3</sup> are independently aliphatic C1 to C5 hydrocarbon group.

Claim 28 (previously presented): The compound according to claim 26 wherein Q<sup>2</sup> and Q<sup>3</sup> together form an aliphatic N-heterocycle group.

Claim 29 (original): The compound according to claim 1 having a structure according to formula (II).

Claim 30 (currently amended): The compound according to claim 29 wherein Q<sup>2</sup> is not present, and the N-heterocyclic possessing a quaternary nitrogen is pyridinyl, pyrimidinyl, quinolinyl, isoquinolinyl, imidazolyl, pyrrolyl or pyrazolyl.

Claim 31 (currently amended): The compound according to claim 29 wherein Q<sup>2</sup> is present, and the N-heterocyclic possessing a quaternary nitrogen is pyrrolyl, pyrrolidinyl, morpholinyl, or piperidinyl.

Claim 32 (previously presented): A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a compound according to claim 1.

Claims 33-57 (canceled).